










Performance Task 3		
Title: Inventory Investigation – Part 3		
Standards addressed-	2.NBT.3 <i>Read and write numbers to 1,000 using base-ten numerals, number names, and expanded form. (Special Note: <u>Expanded form will be taught in Unit 3.</u>)</i> (Correlates to NCSCOS Math Objective 1.01b)	
	2.NBT.4 <i>Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.</i> (Correlates to NCSCOS Math Objective 1.01c)	
Task Description	Use base-ten blocks or a number line to determine how much more you will need to buy of each item. Compare how much of each item you have in current inventory to how much more you will need to buy.	
<Task Rubric>	2nd Grade Unit 1 Task 3 Rubric	
Unit Resources	 Inventory Investigation Part 3  Inventory Investigation Part 1  School Store Inventory Picture  Teacher Guide for Counting Up with Base Ten Blocks and Number Lines  Number Lines to Use for Performance Task  Base-Ten Blocks  Pencil  Paper  Ruler	
Differentiation Strategies		
Extension	Intervention	Language Development
<ul style="list-style-type: none">• Pose “What if” questions: What if you need 2,000 of each item in the school supply store? 3,000? 500?	<ul style="list-style-type: none">• Give students the appropriate number line to use for each item.• Limit number of items to complete to 2 or 3; use number line only once.• Use color coding to help students skip-count by different intervals (for example: red=100)• Show using Base-Ten blocks; Label “counting on” strategy so students are able to keep track of the numbers.	<ul style="list-style-type: none">• Pre-teach vocabulary: <i>compare, less than, greater than, equal to</i>• Include these words and math word wall cards for math dictionary.
Instructional Resources		
Materials	Technology	
K-5 Math Teaching Resources http://www.k-5mathteachingresources.com/2nd-grade-number-activities.html enVisions Correlation 2.NBT.3 - 4-2, 4-3, 17-2, 17-3 2.NBT.4 - 17-6, 17-8	Destination Math Correlation 2.NBT.3 - Course II: <ul style="list-style-type: none">• Module: Number Sense Unit: Numbers to 999 Session: Place Value: Tens and Ones• Module: Number Sense Unit: Numbers to 999 Session: Place Value: Hundreds, Tens, and Ones• Module: Number Sense Unit: Numbers to 999 Session: Expanded Form and Equivalent	

<http://grade2commoncoremath.hcpss.wikispaces.net/2.NBT.3>

Instructional resources for 2.NBT.3

<http://grade2commoncoremath.hcpss.wikispaces.net/Assessing+2.NBT.3>

Learning progression and assessment piece for 2.NBT.3

<http://grade2commoncoremath.hcpss.wikispaces.net/2.NBT.4>

Instructional resources for 2.NBT.4

<http://grade2commoncoremath.hcpss.wikispaces.net/Assessing+2.NBT.4>

Learning progression and assessment piece for 2.NBT.4

<http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1704&ContentID=83475&Content=117394>

The above website is the unpacked version of Common Core Standards for math from Ohio. It includes instructional strategies and resources as well as student misconceptions.

Navigating through Number and Operations in Prekindergarten–Grade 2

This is a book that can be purchased through NCTM (National Council for Teachers of Mathematics). It includes several activities that can be used throughout the unit.

Idea for less than/greater than: Have students draw two vertical dots beside the largest number and 1 dot beside the smallest number. Connect the dots. It will form the correct sign.

158 > 345

http://www.doe.virginia.gov/instruction/mathematics/elementary/number_sense_module/grade2.pdf

This booklet contains a base ten comparison game.

http://www.lessoncorner.com/Math/Basic_Concepts/Greater_Than_Less_Than

This website contains several lessons covering greater than and less than.

<http://illuminations.nctm.org/LessonDetail.aspx?id=U183>

Island Inequality Mat Activity (NCTM)

Number-Line Squeeze (Students try to guess the mystery number on the number line.)

Digit Game (Students use a deck of cards (0-9). Each player draws two cards to make the largest possible number. Player with the largest number takes all four cards.)

Representations of a Number

2.NBT.4 - Course II:

- Module: Number Sense Unit: Numbers to 999
Session: Comparing and Ordering

<http://www.toonuniversity.com/flash.asp?err=509&engine=9>

This on-line game allows students to self-check their answers. Comparisons range from 1-digit to 3-digit numbers. Levels have students work at different amount of time to answer.

<http://www.harcourtschool.com/hspmath/na/index.html>

This website contains on-line activities for place value, skip counting and comparing numbers.

<http://www.mathblaster.com/free-game.aspx?pid=googpd&cid=Content>

This website is called Math Blaster. Students can register for free on-line to play games with topics covered in this unit.

<http://player.discoveryeducation.com/index.cfm?guidAssetId=0AD4CE3C-A03F-4396-89D1-1F2DB06E8A63&blnFromSearch=1&productcode=US>

This video has some background information comparing 1-digit numbers and 2-digit numbers. (Apprx 5 min)

http://henryanker.com/2nd_Activities.html

This teacher has several on-line activities, including ones that will compliment this unit.

Super Source CD Correlation for 2.NBT.4

Base Ten Blocks

Balance of Values pg. 18
Base Ten Block Bingo pg. 22
Build a Bug House pg. 26
Feed the Birds pg. 26
Hide and Decide pg. 34
How Many Can You Hold? pg. 38
Number Builder pg. 54
Race For a Flat pg. 58
Race to Clear the Mat pg. 62
Subtraction Split pg. 66
Sum It Up pg. 70
Way To Pay pg. 74
Who's Got the Most? pg. 86

Color Tiles

Estimation Jars pg. 30
Frames of Ten pg. 42
Square By Square pg. 74
Cuisenaire Rod
Bank-5 pg. 22
Build a Boat pg. 26
Challenge Match pg. 30
Copy and Repeat pg. 34
Rod Squeeze pg. 70
What's In a Scoop? pg. 86